

Call for Papers

ACM SIGPLAN 2007 Symposium on Principles and Practice of Parallel Programming (PPoPP 2007)

March 14–17, 2007, San Jose, California

<http://www.ppop.org>

The goal of the Symposium on Principles and Practice of Parallel Programming is to provide a forum for papers about the foundations of parallel programming, tools and techniques for parallel programming, and experiences applying parallel programming in practice. In the context of PPoPP, “parallel programming” should be construed broadly to include the development of software for concurrent, multi-threaded, multi-core, multiprocessor, cluster, or distributed systems.

PPoPP is an appropriate forum for all research relevant to the development of parallel software. It seeks papers on topics that include:

- Parallel programming
- Foundations of parallel programming
- Analysis and verification of parallel programs
- Performance analysis and optimization of parallel software systems
- Middleware for parallel systems
- Automatic parallelization
- Parallel programming languages
- Compilers and runtime systems for parallel programming languages
- Parallel libraries or application frameworks
- Tools for development or analysis of parallel software
- Parallel applications or algorithms
- Concurrent data structures
- Synchronization and concurrency control
- Software engineering for parallel programs
- Fault tolerance for parallel software
- Software issues for multi-core or multi-threaded processors

Papers should report on original research relevant to parallel programming, and should contain enough background material to make them accessible to the entire parallel programming research community. Papers describing experiences should indicate how they illustrate general principles; papers about parallel programming foundations should indicate how they relate to practice.

PPoPP'07 will be co-located with CGO (<http://www.cgo.org/cgo2007/>) in San Jose, California.

IMPORTANT DATES:

Abstract Submission:	September 8, 2006 (6 pm Eastern Daylight Time)
Full Paper Submission:	September 15, 2006 (6 pm Eastern Daylight Time)
Rebuttal period:	October 19–20, 2006
Notification of acceptance:	November 3, 2006

INFORMATION FOR AUTHORS:

The abstract submission includes a description (100–400 words) of the paper and its key topics. The deadline for abstract submissions is September 8, 2006. The deadline for paper submissions is one week later, September 15, 2006. **NO EXTENSIONS WILL BE GRANTED!**

Your paper should be in PDF format for letter-size paper. Submissions must be viewable by Adobe Acrobat Reader (version 5.0 or higher). Your submission may not exceed 10 pages in standard ACM two-column format. The program chair will summarily return submissions exceeding this page limit.

Submissions will be judged on relevance, originality, significance, clarity, and correctness.

The conference proceedings will be published by ACM Press. Authors of accepted papers will be required to sign the ACM copyright form. Instructions for preparing papers for the proceedings will be emailed to authors of accepted papers.

GENERAL CHAIR: Kathy Yelick, U.C. Berkeley and Lawrence Berkeley National Laboratory

PROGRAM CHAIR: John Mellor-Crummey, Rice University (johnmc@cs.rice.edu)

PROGRAM COMMITTEE:

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